First Action Interview Pilot Program Pre-Interview Communication

Application No.	Applicant(s)		
10/578,602	HARDT, STEFFEN		
Examiner	Art Unit		
Jennifer Dieterle	1795	Page 1 of	

-The MAILING OR NOTIFICATION DATE of this communication appears on the cover sheet with the correspondence address -THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ONE MONTH OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING OR NOTIFICATION DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only ONE additional MONTH.

This communication constitutes notice under 37 CFR 1.136(a)(1)(i).

Applicant must, within the time period for reply, file; (1) A letter requesting not to have a first action interview; (2) A reply under 37 CFR 1.111 waiving the first action interview and First Action Interview Office Action; or (3) An Applicant Initiated

Interview Request Form (PTOL-413A) electronically via EFS-Web, accompanied by a proposed amendment or arguments, and schedule the interview within 2 months from the filing of the request. A failure to respond to this communication will be treated as a request not to have an interview. If applicant waives the First Action Interview Office Action, the instant Pre-Interview Communication is deemed the first Office Action on the Merits. The next subsequent Office action may be made final if appropriate. See MPEP 706.07(a).
Disposition of Claims
3) Claim(s) 4, 6, 12 and 13 is/are pending in the application. 3a) Of the above claim(s) is/are withdrawn from consideration. 4) Claim(s) is/are allowed. 5) Claim(s) 4, 6, 12 and 13 is/are rejected. 6) Claim(s) is/are objected to. 7) Claim(s) are subject to restriction and/or election requirement.
Application Papers
8) ☐ The specification is objected to by the Examiner. 9) ☒ The drawing(s) filed on <u>8 May 2006</u> is/are: a) ☐ accepted or b) ☒ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a), Replacement drawing shee(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 10) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
Priority under 35 U.S.C. § 119
11) ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some * c) ☐ None of: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.
Contact Information Examiner's Telephone Number: (571) 270-7872 Examiner's Typical Work Schedule: Monday thru Friday, 8am to 5pm (EST) Supervisor's Name: Alexa Neckel Supervisor's Telephone Number: (571) 272-1446
Attachment(s)
1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patient Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date ½/2006. 5) ☐ Notice of Informal Patient Application 6) ☐ Other:

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Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection	
1	4, 6, 12 and 13	A and B/N	103(a)	Reference A teaches an electrochromatic device (i.e. a device for separating substances) comprising an electric field (i.e. hence the "electro" chromatic) to a microfluidic system comprising a plurality of adjoining she	
2	4, 6, 12 and 13	C, D, E and F	other pertinent art of record	It is noted that references C, D and E teach separation devices comprising a flow channel comprising a sheet of two different phases.	
3	4, 6, 12 and 13		112, 2nd	Claims 4, 6, 12 and 13 recite that the individual phases that are arranged in parallel can be a liquid or gel.	
4			Drawing Objections	Figure 1a utilizes what appears to be the letter "M" which is not defined in the specification. It is believed the "M" is supposed to be the number 11, however, it is difficult to distinguish "M" and the numeral 11 in figure 1a and 3.	

Expanded Discussion/Commentary					
1		two phases (section 0060). thus, the thickness would be	ecially sections 0011-12, 0016, 0043-44 and 0060-61). Reference A teaches the use of a sol-gel that can comprise. Additionally, reference A teaches that the device comprises microfluctic channels less than about 500 microns; or submillimetre. Reference A is sitent as to the direction of the electric phase applications. Reference B specifically omatic device, electric fields can be applied in either parallel or perpdendicual (section 0074).		
1		It is noted that reference B i	is utilized as the translation of reference N.		
2			sach a single sheet, reference F teaches that it is known in the separation art to utilize multiple substantially planar together (see reference F figure 4B, #145, col. 12). Additionally, as noted above, reference G teaches that electric rpendicularly.		
3		In the case of a liquid, it is not clear, given the properties of a liquid, how multiple sheets of liquid will remain separate when placed against each other. The basic nature of a liquid is to "immerse". Therefore, if a liquid is utilized, it is not clear how it will maintain separate sheets, thus forming a plurallity of adjoining sheets.			
4		Additionally, the specification notes numeral 13 for figure 4; however, there is no numeral 13 in figure 4. Also at section (0051) of appliants PG Pub document, a figure 8a is referred too; however, there is no drawing labeled figure 8a. Appropriate correction is required.			
DA1	E: /2010				